

```
using matrix file DNA
```

Seq1 GAAGGTGAAGCCCATGATCAAACCTTCACCGTAGAATGTAAAAATTAGTGAATTAGATAAA

```

      550      560      570      580      590      600
      610      620      630      640      650      660
AE0155 AGCGTGATAGGTGTAGCGAGTTCGCGCCGCAAAGCCGAGCAAATTGCCGCCGCTCAAGTA
      :: : :::: :: :::: : : :::: :: : :::: :::: ::
Seq1   GTTGTCACCGTTGTGGCAAGTTCAAGAAGAAAAGCTGAACAGCTTGCCGCTGCTCAGGTA
      610      620      630      640      650      660

      670
AE0155 TTGGAGTTACTGAAGAAA
      ::::: :::::X ::
Seq1   TTGGAGCTACTGAATAAA
      670
```

100.0% identity in 10 nt overlap; init: 40, opt: 40

```

      50
AE0155 AGTTCAAGAA
      X::::::::::X
Seq1   AGTTCAAGAA
      620
```
